WHAT IS CLAIMED IS:

1   1.   A system for testing information handling systems, the system

2   comprising:

3   a script database having plural test script packages, each test script package

4   having plural scripts, each script having test parameters;

5   a test server having plural test engines and a test controller, the test controller

6   operable to apply script parameters of a script to the test engines to

7   generate a test executable that operates a test associated with the test

8   engine on a test unit;

9   plural test units, each test unit having a configuration profile; and

10   a test unit controller operating on each test unit, the test unit controller

11   operable to activate on the test unit the executable provided by the test

12   controller.

1   2.   The system of Claim 1 wherein the test unit controller comprises:

2   an activator operable to activate an executable; and

3   a validator operable to validate updates to the test unit controller or a runtime

4   associated with the test unit controller.

1   3.   The system of Claim 2 wherein the test controller is further operable to

2   command the test unit controller to pause operation of an executable.

1   4.   The system of Claim 2 wherein the test controller is further operable to

2   command the test unit controller to abort operation of an executable.

1   5.   The system of Claim 2 wherein the validator is operable to receive an

2   execute identifier from the test controller, respond to the test controller with the test

3   unit configuration profile and receive a test script generated by the test controller in

4   response to the configuration profile.

1   6.   The system of Claim 5 wherein the activator is operable to perform the

2   test script with an associated runtime provided by the test controller.

1   7.   The system of Claim 1 further comprising a remote test controller

2   disposed between the test server and one or more test units, the remote test controller

3   operable to act as an intermediary for communication of runtime scripts to the test

4   units.

1   8.   The system of Claim 1 wherein the script parameters comprise runtime

2   duration, language and operating system.

1   9.   A method for performing runtime tests on test information handling

2   systems, the method comprising:

3   sending an execute identifier from a test server to one or more test units, the

4   execute identifier associated with a script package having plural

5   scripts;

6   responding to the execute identifier from the test unit to the test server with a

7   test unit profile;

8   generating at the test server one or more test executables and runtimes to

9   execute one or more scripts of the script package by applying the test

10   unit profile to one or more test engines;

11   sending the test executables and runtime from the test server to the test unit;

12   and

13   executing the test executable and runtime on the test unit.

1   10.   The method of Claim 9 further comprising communicating between the

2   test server and the test units with an intermediate remote test controller.

1   11.   The method of Claim 9 further comprising:

2   tracking results of the test executable on the test unit; and

3   periodically communicating the results to the test server.

1   12.   The method of Claim 9 wherein generating at the test server one or

2   more executables and runtimes further comprises:

3   selecting a script by comparing the test unit profile with script parameters; and

4   generating a runtime for executing the script with a one of plural test engines,

5   the test engine associated with the script.

1   13.   The method of Claim 9 wherein executing further comprises:

2   controlling communication with the test unit through a test unit controller

3   process abstraction layer having an activator and a validator;

4   validating downloaded scripts with the validator; and

5   activating a runtime and script with the activator.

1   14.   The method of Claim 13 wherein the test unit controller accepts

2   dynamic runtime commands from the test server and the activator executes the

3   dynamic runtime commands.

1   15.   The method of Claim 14 wherein the dynamic runtime commands

2   comprise a dynamic script duration.

1   16.   The method of Claim 14 wherein the dynamic runtime commands

2   comprise a pause command.

1   17.   The method of Claim 14 wherein the dynamic runtime commands

2   comprise an abort command.

1   18.   A test information handling system comprising:

2   information processing components operable to process information;

3   a network interface operable to communicate information over a network;

4   a controller process abstraction layer in communication with the network

5   interface and the information processing components;

6   a validator associated with the controller process abstraction layer and

7   operable to validate test script runtimes received through the network;

8   and;

9   an activator associated with the controller process abstraction layer and

10   operable to run test script runtimes on the information processing

11   components.

1   19.   The test information handling system of Claim 18 wherein the

2   activator is further operable to run plural test script runtimes simultaneously.

1   20.   The test information handling system of Claim 18 wherein the

2   controller process abstraction layer is operable to accept runtime instructions from a

3   network and to command the activator to execute the runtime instructions.